

# PATENT ABSTRACTS OF JAPAN

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(71)Applicant : FUJI ELELCTROCHEM CO LTD

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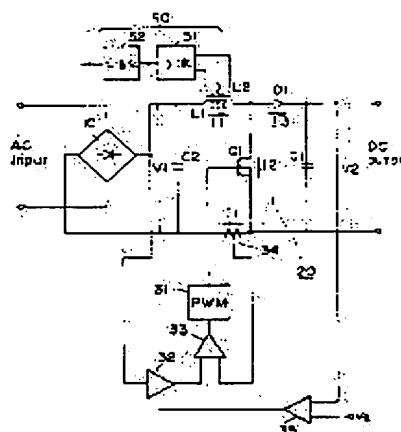
(72)Inventor : WATANABE KATSUHIKO  
YAMASHITA MASAJI

## (54) POWER SOURCE

### (57)Abstract:

**PURPOSE:** To improve fail-safe performance by additionally providing means for detecting stoppage of operation of a switching element,

**CONSTITUTION:** An AC/DC converter performs full-wave rectification of AC input through a rectifying circuit 10 and provides the full-wave rectified output to a booster type chopper circuit 20. The chopper circuit 20 comprises a switching element Q1 to be turned ON/OFF through a PWH circuit 31, an inductor L1, a diode D1, and the like, and further provided with a control circuit comprising a VCA 32, a differential amplifier 33 and an error amplifier 35. A circuit 50 for detecting stoppage of operation of the switching element Q1 comprises a filter circuit 51 and a binary coding circuit 52. By such arrangement, improper operating condition is alarmed.



## LEGAL STATUS

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